TEXAS DEPARTMENT OF INSURANCE

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Product Evaluation Effective September 1, 2011
DR-493

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC). This product shall be subject to reevaluation September 2013.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Series 5005 Vinyl Hinged Inswing Doors, Non-impact Resistant, manufactured by

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5760 Albert Pike
Royal, Arkansas 71968
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will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Series 5005 hinged door is a vinyl side hinged inswing door. The vinyl inswing hinged doors evaluated in this report are non-impact resistant doors. This product evaluation report is for vinyl inswing hinged doors based on the following tested construction:

General Description:

System	Description	Label Rating
1	Series 5005 Vinyl Hinged Inswing Door; (X)	SHD-R25 39 x 79 Neg DP=75

Component Dimensions:

System	Overall Door Size	Panel Size	Panel Daylight Opening Size
1	39" x 79"	$37\frac{3}{8}$" x $76\frac{13}{16}$"	$29\frac{3}{8}$" x $68\frac{7}{8}$"

Glazing Description:

System	Glass Construction [1]	Glazing Method [2]
1	IG-1	GM-1

Note: [1] See the "Glass Construction Key" for the glazing construction.
[2] See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

IG-1: The panel contains a sealed insulating glass unit. The sealed insulating glass unit in the tested assembly is comprised of two double strength (⅛") annealed glass lites separated by a butyl spacer system with a steel substrate. The glass thickness and type used in the tested assembly and in smaller assemblies shall comply with ASTM E 1300-04.

Glazing Method Key:

GM-1: The insulating glass units are set in place with double sided glazing tape. The insulating glass units are secured in place with rigid vinyl glazing beads.

Frame Construction: The frame members are manufactured from extruded vinyl (PVC). The frame corners are mitered and welded construction. An extruded aluminum threshold is applied to the exterior of the sill.

Panel Construction: The door panels are manufactured from extruded vinyl (PVC). The panel corners are mitered and welded construction.

Hardware:

- Dayton Technologies aluminum hinge; One (1) required; The hinge is secured to the stile of the door with eleven (11) No 8 x 2½" screws located 2 inches from the top and bottom and the remaining staggered in between approximately 7½" apart. The hinge is secured to the door side jamb of the door with thirteen (13) No 8 x ¾" screws located 1½ inches from the top and bottom and the remaining staggered in between approximately 6½ inches apart.

- Multi-point steel lock with handle set and deadbolt (Hoppe Series 7); Located on the panel stile. Secured with ten (10) No 8 x 1 5/16" screws.

- Strike plates for the hook points; Secured with three (3) No. 8 x ¾" screws for the middle latch and two (2) No. 8 x ¾" screws for the top and bottom latch.

Reinforcement: Custom shaped steel reinforcement is located in the door panel hinge and lock stiles. The reinforcement extends the length of the members.

Product Identification: A certification program label (Keystone Certification Program) will be affixed to the window. The certification program label includes the product name; performance characteristics; the approved inspection agency (Keystone); and the following applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

Label Identification:

System	Model	Certification Authorization Report (CAR) number
1	5005 Hinged Door	588-137

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	39	79	+25 / -75

Impact Resistance: These door assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These door assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

Tested to Higher Negative Design Pressure: The Keystone label indicates that the product was tested to a higher negative design pressure rating. The higher negative design pressure rating is specified in the table above.

Acceptance of Smaller Assemblies: Door assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

INSTALLATION INSTRUCTIONS

General: The door assembly shall be prepared and installed in accordance with the manufacturers recommended installation instructions. Detailed installation instructions and drawings are available from the manufacturer.

Installation: The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The door assembly shall be mounted to the wood wall framing members utilizing the nailing fin of the door frame head, sill, and side jambs with minimum No. 8 screws. The fasteners shall be spaced approximately 4 ½ inches from each corner and approximately 6 inches on center. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.